What I claim is:

1	1. In a communications environment where multiple instances of diverse access
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2	protocols share a communications media, where it is desired that transmissions from one
3	instance not collide with transmissions form another instance, and each instance of an
4	access protocol has the ability to restrict access to the media for all stations in that
5	instance practicing that protocol from a set of stations in that instance, and the
6	stations having the ability to restrict access in each instance can all communicate with the
7	other stations able to restrict access, wherein a method of permitting interoperability of
8	the instances of the access protocols includes the steps of:
9	assigning each instance of each access protocol to separate
0	phases occurring in allocated time periods;
1	communicating the allocated time periods for each protocol instance to the
2	stations having the ability to restrict traffic for that protocol instance;
3	restricting access of stations in each protocol instance to only those time
4	periods assigned to that protocol instance.
l	2. The method of claim 1, where:
2	using 802.11 DCF in the access protocol for at least one of the phases;
3	enabling the stations transmitting in this phase with an to ability to restrict
4	access to 802.11 AP's; and
5	restricting access in other phases by stations transmitting in this phase by having 802.11
6	APs trigger the transmission of spoofing frames with duration fields set to prevent access
7	by 802.11 stations to the medium in other phases.
1	3. The method of claim 2, including a step of:
2	practicing the HIPERLAN/2 access protocol in HIPERLAN/2 stations in at least one of
3	the phases.

4. The method of claim 2, including a step of:

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- 2 assembling the spoofing frames transmitted from an 802.11 RTS frame transmitted by the
- 3 APs, followed by an 802.11 CTS frame transmitted by 802.11 stations.
- 5. The method of claim 2, including a step of:
- 2 assembling the spoofing frames transmitted from an 802.11 RTS frame
- 3 transmitted by the APs, followed by an 802.11 CTS frames transmitted by 802.11
- 4 stations, followed by other CTS frames transmitted by APs.
- 6. The method of claim 2, including a step of:
- where the spoofing frames transmitted consist of a single 802.11 CTS frame transmitted
- 3 by each of the APs.
- 7. The method of claim 2, including a step of:
- assembling the spoofing frames transmitted from a single 802.11 data frame transmitted
 by each of the APs.
 - 8. The method of claim 2, including a step of:
 - arranging start times of the phases to be on average periodic in nature, allowing a super-
- 3 frame structure to be defined.
 - 9. The method of claim 2, including steps of:
- 2 predetermining start and end times of at least one of the phases; and
- 3 making the start and end times known to all stations needing to restrict access during that
- 4 phase so that no communications is required between stations restricting access to the
- 5 media for that phase.

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- 1 10. In a communication environment in which access ports of systems are 2 individually operative at overlapping frequencies in one of two active operative WLAN systems each operating in a common channel each under a different controlling standard, 3 4 wherein a method of permitting interoperability of the two systems includes steps of: 5 establishing a superframe within which contention is substantially eliminated and 6 resolved by; limiting each system to separate phases of allocated defined contention periods for 7 8 differing; 9 selecting contention periods to accommodate variants of operating standards of the
- operative WLAN systems; and
 preventing access ports of one standard from transmitting during time periods allotted to
 access ports of another standard for transmission.
 - 11. The method of claim 10, including a step of: establishing transmission for one of the two WLAN systems during a contention period of the other WLAN.
 - 12. The method of claim 11, including a step of: separating 802.11 CFP intervals form H/2 MAC-frame intervals by a spoofing/blocking frame sequence.
- 1 13. The method of claim 12, including a step of:
- 2 adding additional beacons in an 802.11 interval to prevent jitter.

- 1 14. The method of claim 13, including a step of:
- ending a contention free period for 802.11 after completion of HIPERLAN/2
- 3 transmissions.
- 1 15. The method of claim 14, including a step of:
- 2 synchronizing super-frames by use of a synchronizing beacon.